

SR Low Lead Meters

Displacement Type Magnetic Drive Cold Water Meters

1-1/2" (DN 40mm) and 2" (DN 50mm) Sizes

DESCRIPTION

Applications: Measurement of cold water where flow is in one direction; in residential, commercial and industrial services.

Conformance To Standards: Sensus SR Low Lead Water Meters meet the requirements of ANSI NSF Standard 61 Annex G and comply with ANSI/AWWA Standard C700-latest revision. Each meter is tested to insure compliance with AWWA standards.

Construction: Sensus SR Low Lead Water Meters consist of three basic components: maincase; measuring chamber; permanently, hermetically-sealed register. Maincases are made of Bismuth alloy CDA89836 or EnviroBrass™ II C89520 with either flanges or internally-threaded spuds. Measuring chambers are of Rockslyn®, a corrosion-resistant thermoplastic material.

Sealed Register: Permanently, hermetically sealed; proven magnetic drive design; with integral tamper-proof locking device. Guaranteed for 25 years. The standard register includes a straightreading, odometer-type totalization display; a 360° test circle with center sweep hand; and a low flow (leak) detector. Gears are selflubricating, molded plastic for long life and minimum friction. The hermetic sealing of the register eliminates dirt and moisture, tampering, and lens fogging problems.

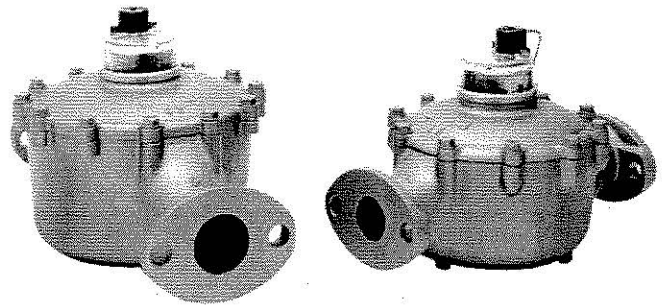
No change gears are required for accuracy calibration. Encodedtype remote reading systems are available for all SR Low Lead Water Meters. (See back of sheet for additional information.)

Tamperproof Features: Removing the register to obtain free water is prevented by a locking device inside the meter. Removing the register requires a special tool that is available only to water utilities.

Magnetic Drive: The unique design of the direct magnetic drive is a positive, reliable, dependable drive coupling, proven in millions of SR Water Meters.

Operation: Water flows through the meter's strainer and into the measuring chamber where it operates the piston. The piston, which moves freely, oscillates around a central hub, guided by the rubber-coated division plate.

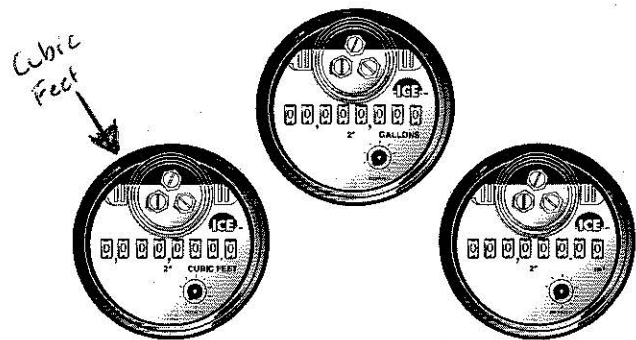
A drive magnet, incorporated in the piston, rotates around the outside of the hermetically sealed register well and magnetically drives the "follower" magnet sealed within the well. The "follower" magnet drives a crank connected to the register gear train, which translate the number of piston oscillations into volume totalization units displayed on the register face.



2" SR®
(DN 50mm)

1-1/2" SR®
(DN 40mm)

Shown with AMR/AMI system register



2" AMR System Dials Shown

Maintenance: Sensus SR Low Lead Water Meters are engineered to provide long-term value and virtually maintenance-free operation because of their design simplicity and interchangeability of modules. Sensus SR Water Meters are easy to repair, even without removing the maincase from the installation.

Connections: Tailpieces/Companion Flanges for installing the meters on a variety of pipe and sizes are available as an option. For flanged meters, the use of a Smith-Blair Model 926 Flanged Coupling Adapter is recommended to facilitate the installation and any future removal of the meter from the line.

AMR / AMI Systems: Meters and encoders are compatible with current Sensus AMR/AMI systems.

Guarantee: Sensus SR® Water Meters are backed by "The Sensus Guarantee." Ask your Sensus representative for details, or see Bulletin G-500.